



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/614,422

07/07/2003

Hiroaki Ueda

16803

7447

23389

7590

05/30/2008

SCULLY SCOTT MURPHY & PRESSER, PC
400 GARDEN CITY PLAZA
SUITE 300
GARDEN CITY, NY 11530

EXAMINER

TEKLE, DANIEL T

ART UNIT

PAPER NUMBER

2621

MAIL DATE

DELIVERY MODE

05/30/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/614,422	Applicant(s) UEDA ET AL.	
	Examiner DANIEL TEKLE	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 February 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 19, 2008 has been entered.

Response to Argument

Applicant's arguments filed February 19, 2008 have been fully considered but they are not persuasive.

Applicant argues on page 10 of the remark, "There is, no disclosure of an encoder controller, which controls a frame size, a frame rate, average bit rate of compressed video image data in response to changes to parameters selected from number of frames, recording time and amount of free area on the recording medium thought out the compression process of the non-compressed video image data as recited in claims. Applicant argument continues on page 11 first paragraph of the remark, "in contrast, MacCormack et al. sets the frame size, a frame rate, and an average bit rate of the compressed video image data.

In response the examiner respectively disagrees. The examiner reads the claim limitation as:

- The claim does not specifically point out when is the compression is in progress.
- The parameter change is selected at **least one** of the three groups: number of frames, recording time, free area of recording.

Therefore in according the noted above MacCormack et al. anticipated compressing video data using “the recording rate options implemented via a pull down list, as shown in Fig. 136. The rate options correspond to different field capture rates, and are indicative of the effective recording duration in different set of hours” (**column 86 lines 14-18**).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1-27 are rejected under 35 U.S.C. 102(b) as being anticipated by MacCormack et al (US 6,144,797).

Regarding Claim 1: MacCormack et al. disclose a video image data compression archiver comprising: an encoder compressing non-compressed video image data to generate compressed video image data; and an encoder controller connected to encoder to control a frame size, a frame rate, and an average bit rate of compressed video image data in response to change to at least one parameter selected from a group consisting of: a number of frames of non-compressed video image data, a

recording time of non-compressed video image data, and a free area of a recording medium for recording compressed video image data, control occurring throughout compressing of non-compressed video image data (**columns 61-62, lines 60-6; column 62 lines 25-46; column 86 lines 16-30 and figure 136**).

Regarding Claim 2: MacCormack et al. disclose a video image data archiver according to claim 1, wherein said encoder controller decides average bit rate in response to at least one parameter, and decides frame size and said frame rate based on average bit rate (**columns 61-62, lines 60-6**).

Regarding Claim 3: MacCormack et al. disclose a video image data archiver according to claim 1, wherein encoder controller monitors free area of recording medium, and modifies at least one of frame size, frame rate, and average bit rate when detecting a change in free area of recording medium (**columns 61-62, lines 60-6 and figure 136**).

Regarding Claim 4: MacCormack et al. disclose a video image data archiver according to claim 3, wherein encoder controller decreases at least one of frame size, frame rate, and average bit rate when detecting a decreases in free area of recording medium (**columns 61-62, lines 60-6 and column 86 lines 3-13**).

Regarding Claim 5: MacCormack et al. disclose a video image data archiver according to claim 3, wherein encoder controller increases at least one of frame size, frame rate, and average bit rate when detecting an increase in free area of recording medium (**columns 61-62, lines 60-6 and column 86 lines 3-13**).

Regarding Claim 6: MacCormack et al. disclose a video image data archiver according to claim 1, wherein encoder controller monitors number of frames of non-compressed video image data, and modifies at least one of frame size, frame rate, and average bit rate, when detecting a change in number of frames of non-compressed video image data **(columns 61-62, lines 60-6 and column 86 lines 3-13)**.

Regarding Claim 7: MacCormack et al. disclose a video image data archiver according to claim 6, wherein encoder controller decreases at least one of frame size, frame rate, and average bit rate, when detecting an increase in number of frames of non-compressed video image data **(columns 61-62, lines 60-6 and column 86 lines 3-13)**.

Regarding Claim 8: MacCormack et al. disclose a video image data archiver according to claim 6, wherein encoder controller increases at least one of frame size, frame rate, and average bit rate, when detecting a decrease in number of frames of non-compressed video image data **(columns 61-62, lines 60-6 and column 86 lines 3-13)**.

Regarding Claim 9: MacCormack et al. disclose a video image data archiver according to claim 1, wherein encoder controller monitors recording time of non-compressed video image data, and modifies at least one of frame size, frame rate, and average bit rate when detecting a change in recording time **(columns 61-62, lines 60-6 and column 86 lines 3-13)**.

Regarding Claim 10: MacCormack et al. disclose a video image data archiver according to claim 9, wherein encoder controller decreases at least one of frame size,

frame rate, and average bit rate when detecting an increase in recording time of original video image (**columns 61-62, lines 60-6 and column 86 lines 3-13**).

Regarding Claim 11: MacCormack et al. disclose a video image data archiver according to claim 9, wherein encoder controller increases at least one of frame size, frame rate, and average bit rate when detecting a decrease in recording time of original video image (**columns 61-62, lines 60-6 and column 86 lines 3-13**).

Regarding Claim 12: MacCormack et al. disclose a video image data compression archiver comprising: an encoder compressing non-compressed video image data to generate compressed video image data; and an encoder controller connected to encoder to control a frame size, and an average bit rate of compressed video image data in response to change to at least one parameter selected from a group consisting of: a number of frames of non-compressed video image data, a recording time of non-compressed video image data, and a free area of a recording medium for recording compressed video image data, control occurring throughout compressing of non-compressed video image data (**columns 61-62, lines 60-6 and column 86 lines 3-13**).

Regarding Claims 13-16: Claims 13-16 are rejected for the same subject matter as claims 2-3, 6 and 9 respectively.

Regarding Claim 17: MacCormack et al. disclose a video image data compression archiver comprising: an encoder compressing non-compressed video image data to generate compressed video image data; and an encoder controller connected to encoder to control a frame rate, and an average bit rate of compressed video image data in response to change to at least one parameter selected from a group consisting

of: a number of frames of non-compressed video image data, a recording time of non-compressed video image data, and a free area of a recording medium for recording compressed video image data, control occurring throughout compressing of non-compressed video image data (**columns 61-62, lines 60-6; column 62 lines 25-46 and column 86 lines 3-13**).

Regarding Claim 18: MacCormack et al. disclose a video image data archiver according to claim 17, wherein encoder controller decides average bit rate in response to at least one parameter, and decides frame rate based on average bit rate (**column 86 lines 3-31**).

Regarding Claim 19: MacCormack et al. disclose a video image data archiver according to claim 17, wherein encoder controller monitors free area of recording medium, and modifies at least one of frame rate, and average bit rate, when detecting a change in free area of recording medium (**column 86 lines 3-31**).

Regarding Claim 20: MacCormack et al. disclose a video image data archiver according to claim 17, wherein encoder controller monitors number of frames of non-compressed video image data, and modifies at least one of frame rate, and average bit rate, when detecting a change in number of frames of non-compressed video image data (**column 86 lines 3-31**).

Regarding Claim 21: MacCormack et al. disclose a video image data archiver according to claim 17, wherein encoder controller monitors recording time of frames of non-compressed video image data, and modifies at least one of frame rate, and

average bit rate, when detecting a change in recording time of non-compressed video image data **(column 86 lines 3-31)**.

Regarding Claims 22-23: Claims 22-23 are rejected for the same subject matter as claims 1-2 respectively.

Regarding Claims 24-25: Claims 24-25 are rejected for the same subject matter as claims 12-13 respectively.

Regarding Claims 26-27: Claims 26-27 are rejected for the same subject matter as claims 17-18 respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00 Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on 571-272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Marsha D. Banks-Harold/
Supervisory Patent Examiner, Art Unit 2621
/Daniel Tekle/
Examiner, Art Unit 2621